**Deadman/Skiyou Slough (Site C)**

Site Map (Figure 1)

* C1 – site outlet
* WPT 440 – large grown in beaver dam that acts as potential disconnection point during 6/10/2021 site visit
* WPT 294 – new second large grown in beaver dam as of 9/22/2021 site visit downstream of previous beaver dam causing upstream water level to be much higher
* Level logger – placed in deepest downstream location of site upstream of potential beaver dam disconnection point 6/10/2021 – 10/11/2021
* Temperature logger – placed in deepest downstream location of site upstream of potential beaver dam disconnection point 6/10/2021 – 10/11/2021
* Timelapse camera – placed at potential beaver dam disconnection point 6/10/2021 – 10/11/2021

Temperature, Water Level, and Connectivity Trends

Chart, histogram

Description automatically generated

Figure 2. Changes in water level (m) and temperature (°C) in Deadman/Skiyou Slough relative to Skagit discharge (cfs)

* It is unclear if and when the site becomes disconnected because there is dynamic beaver activity that alters connectivity
* The site remains connected to the mainstem at C1 so any disconnect would occur at large grown in beaver dams which are difficult to assess if fish passable
* Given the low relative elevation of Deadman/Skiyou Slough to the Skagit mainstem, water level is heavily influenced by mainstem discharge
* 6/10/2021 – 10/11/2021
  + Minimum Temperature:
  + Maximum Temperature:
  + Average Temperature

6/10/2021

* Boat reconnaissance
* Site connected at C1 with wide open channel that can navigate boat through (Figure 3)
* Site very turbid and not able to snorkel
* Potential disconnection point at large grown in beaver dam at WPT 440 but unsure if fish passable (Figure 4)
* No fish observed

A picture containing tree, grass, outdoor, water

Description automatically generated

Figure 3. Looking upstream into lower portion of Deadman/Skiyou Slough from C1 site outlet

A picture containing outdoor, tree, grass, plant

Description automatically generated

Figure 4. Large grown in beaver dam (left) at WPT 440 that acts as potential disconnection point

9/22/2021

* Boat reconnaissance
* Site connected at C1 with open channel that can barely navigate boat through
* Site still very turbid
* Large grown in beaver dam at WPT 440 from previous site visit now completely underwater (Figure 5)
* WPT 294 – new large grown in beaver dam downstream of initial beaver dam that backed up water upstream causing increase in water level (Figure 6)
* Beaver dam at WPT 294 is likely fish passable
* Took temperature and DO measurements just upstream of WPT 294
  + Temperature: 14.1°C
  + DO: 2.67 mg/L
* A couple of juvenile salmonids observed surfacing

A picture containing tree, outdoor, water, river

Description automatically generated

Figure 5. Looking upstream at previous large grown in beaver dam (circled) at WPT 440

A picture containing grass, tree, outdoor, nature

Description automatically generated

Figure 6. Looking upstream at newly created beaver dam at WPT 294 causing backed up water upstream

10/11/2021

* Boat reconnaissance
* Site connected at C1 with open channel that can barely navigate boat through
* Site still very turbid
* Coho observed jumping and one dead 90 mm coho found near timelapse camera location